

cp 378

W. C. COLLECT



LEONARD  
SCHOOLS  
OF  
MEDICINE AND  
PHARMACY.



1898-1899.



# Calendar from July 1, 1899, to June 30, 1900.

1899.

JULY.							AUGUST.							SEPTEMBER.						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
						I			I	2	3	4	5						I	2
2	3	4	5	6	7	8	6	7	8	9	10	11	12	3	4	5	6	7	8	9
9	10	11	12	13	14	15	13	14	15	16	17	18	19	10	11	12	13	14	15	16
16	17	18	19	20	21	22	20	21	22	23	24	25	26	17	18	19	20	21	22	23
23	24	25	26	27	28	29	27	28	29	30	31			24	25	26	27	28	29	30
30	31																			
OCTOBER.							NOVEMBER.							DECEMBER.						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
I	2	3	4	5	6	7	5	6	7	8	9	10	11	3	4	5	6	7	8	9
8	9	10	11	12	13	14	12	13	14	15	16	17	18	10	11	12	13	14	15	16
15	16	17	18	19	20	21	19	20	21	22	23	24	25	17	18	19	20	21	22	23
22	23	24	25	26	27	28	26	27	28	29	30			24	25	26	27	28	29	30
29	30	31												31						

1900.

JANUARY.							FEBRUARY.							MARCH.						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
	I	2	3	4	5	6						I	2	3				I	2	3
7	8	9	10	11	12	13	4	5	6	7	8	9	10	4	5	6	7	8	9	10
14	15	16	17	18	19	20	11	12	13	14	15	16	17	11	12	13	14	15	16	17
21	22	23	24	25	26	27	18	19	20	21	22	23	24	18	19	20	21	22	23	24
28	29	30	31				25	26	27	28				25	26	27	28	29	30	31
APRIL.							MAY.							JUNE.						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
I	2	3	4	5	6	7			I	2	3	4	5						I	2
8	9	10	11	12	13	14	6	7	8	9	10	11	12	3	4	5	6	7	8	9
15	16	17	18	19	20	21	13	14	15	16	17	18	19	10	11	12	13	14	15	16
22	23	24	25	26	27	28	20	21	22	23	24	25	26	17	18	19	20	21	22	23
29	30						27	28	29	30	31			24	25	26	27	28	29	30



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VIEW OF CAMPUS

NINETEENTH ANNUAL CATALOG

OF THE

OFFICERS AND STUDENTS

OF

LEONARD MEDICAL SCHOOL,

SHAW UNIVERSITY,

For the Academic Year Ending March 18, 1899.



RALEIGH, N. C. :  
Edwards & Broughton, Printers and Binders.  
1899.



Established in 1882, by the American Baptist Home Mission Society, and named after Judson Wade Leonard, M. D., of Hampden, Massachusetts, the principal donor.

## BOARD OF TRUSTEES.

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## FACULTY.

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CHAS. F. MESERVE, A.M., PRESIDENT.

JAMES MCKEE, M.D., DEAN,

Professor of Obstetrics and Diseases of Women and Children ; Visiting Physician to  
Leonard Medical School Hospital.

A. W. KNOX, M.D.,

Professor of Principles and Practice of Surgery, and Clinical Operative Surgery  
Visiting Surgeon to the Leonard Medical School Hospital.

W. I. ROYSTER, M.D.,

Professor of Principles and Practice of Medicine, Clinical Medicine and Materia Medica ;  
Visiting Physician to the Leonard Medical School Hospital.

K. P. BATTLE, A.B., M.D.,

Professor of Physiology, Clinical Professor of Diseases of the Eye, Ear and Throat,  
and Visiting Surgeon to the Eye, Ear and Throat Department of  
the Leonard Medical School Hospital.

R. H. LEWIS, M.D.,

Professor of Diseases of the Eye, Ear and Throat, Consulting Surgeon to the Eye, Ear  
and Throat Department of the Leonard Medical School Hospital.

J. M. PICKEL, PH. D.,

Professor of Medical and General Chemistry.

A. W. GOODWIN, M.D.,

Professor of Anatomy and Demonstrator of Anatomy, Visiting Physician to the  
Leonard Medical School Hospital.

WM. SIMPSON,

Professor of Materia Medica.



## A Few Words to Young Men who are Thinking of Entering Upon the Study of Medicine.

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The race is greatly in need of consecrated, skilled Physicians and Surgeons, and the Leonard Medical School has been established to meet this want. No one can do more to improve the daily life of the masses than the consecrated, skillful, Christian physician. The young man who aspires to become a physician, should not think of what he may be able to do for himself, but the great good he may do for suffering humanity; and that, too, without receiving, in many cases, a penny for his professional services. Not *self*, but the *race*, must ever be his motto, and this requires not ability alone but the most rugged and strongest character. The Leonard Medical School has no denominational or religious test for admission. Its students represent nearly all of the denominations, while a few have no church connections whatever. Young men of clean, pure lives, honest and reliable, and total abstainers from the use of spirituous and malt liquors, who will refrain from the use of tobacco in any form in the rooms and about the grounds of the Institution; such young men as these and these only need apply for admission or for scholarships. The Institution has only a limited amount of money to invest in the education in medicine of young men. It wants the *best* young men, and only those who will cheerfully comply with its rules and regulations. We are determined to make the conditions as favorable as possible for obtaining a thorough education. It recognizes the fact that nearly all colored young men are poor and unable to meet the ordinary expenses of a medical education; and has therefore established a number of scholarships for needy and deserving young men of high moral character and good mental ability. These scholarships are

granted only upon application and after a satisfactory investigation into the needs, merit and ability of the applicant. They are granted for one year only. If the rules and regulations governing the student-body are faithfully complied with each year and a satisfactory rank maintained each year, the scholarship will be renewed upon application at the end of the freshman, sophomore and junior years. Scholarship students must never receive any attention along lines of discipline from the President or any other member of the faculty. Scholarships will not be granted unless the applicants pledge themselves to enter promptly at the beginning of the session and remain continuously until the close, unless prevented from so doing by sickness or some other cause, satisfactory to the President.

## ANNOUNCEMENT.

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A four years' course has become popular with our students, because essential, as it gives sufficient time to become thoroughly acquainted with the different branches of medicine, and will enable graduates to pass a creditable examination before Medical Boards—a legal requirement in most States—previous to the commencement of the practice of medicine; and every year such examinations are becoming more rigid. If in any department of life a little learning is dangerous, it is especially true in the medical profession, and should be carefully guarded against. Our aim is to follow closely the curriculum of study as given in subsequent pages of this announcement.

As a proof of the wisdom of the policy of the Leonard Medical School, it can be stated that its graduates, almost invariably, succeed in passing the examinations of the State Examining Boards. They are not obliged to go to States where a license is not required in order to practice medicine; the Faculty feels that it is a kind of reflection upon the Institution when they do so. It is considered a great compliment to the superior instruction here given that in several instances young men who have spent two or three years at Leonard have gone elsewhere and been admitted to the junior or senior class, and graduated with honor. As a rule, they have left the Leonard Medical School because they felt they could not do the work required here. Some of these young men have taken honors elsewhere who would not have received them here, and others have graduated who would have failed of graduation here. It can be stated of the students of the Leonard Medical School, as President Gates, of Amherst College, said a few months ago at a re-union in Boston of

the Amherst Alumni: "We do not *count* our students, we *weigh* them." The Leonard Medical School does not aim at a large attendance, but does aim to send out young men who are well fitted for their profession, and only those who are well fitted. Recently a young man, who had been three years in the Leonard Medical School, entered school elsewhere and graduated as a salutatorian. No higher compliment than this could be paid by another institution to the high standard and superior methods of instruction of the Leonard Medical School. We do not desire to admit to the Leonard Medical School any young men except those who are well fitted, and who can do the work successfully. It is customary in some institutions to send out graduates in medicine, when only one year has been spent in the institution whose diploma the graduate bears, the other two or three having been spent elsewhere. The Leonard Medical School does not wish to receive students who have taken even a small portion of their medical course elsewhere, but prefers to have its students enter at the freshman year, and, if competent to do the work, remain until graduation. It is customary to grant a scholarship of \$60 to young men of ability who are in straitened financial circumstances. As a further evidence of the thoroughness of the Leonard Medical School, it should be stated that the only applicant for a license from the Virginia State Board of Medical Examiners that received in every subject a rank of 100 per cent, was a graduate of the Leonard Medical School. We do not claim the Leonard Medical School is the best school in the world, but we do claim, and justly, that young men who graduate from the Leonard Medical School are equipped, as few institutions equip them, to successfully practice their profession, and that this is done at a phenomenally small outlay of money on the part of the students.

## SPECIAL ANNOUNCEMENT.

Owing to the increased requirements of State Boards of Medical Examiners, the school year has been lengthened from five months of four weeks each to six months of four weeks each, and additional subjects have been added to the curriculum. The Leonard Medical School is determined to keep abreast of the times, and to prepare its students so thoroughly that when they graduate they may be able to pass a successful examination before any board of examiners in the United States.

## FACULTY.

DR. JAMES MCKEE, who for many years has been Superintendent of the Board of Health for Wake County, will give, in addition to his regular course of lectures, occasional lectures upon Public Health and Hygiene. His lectures on Obstetrics will be illustrated by diagrams, models, the cadaver and other preparations used to illustrate such obstetric operations and procedures as can be so presented. He will also lecture on diseases of women and children.

DR. W. I. ROYSTER, in his course of lectures upon the Principles of Medicine, will consider these in their connection with the individual diseases, and the latter will be treated of with special reference to prophylaxis, diagnosis and treatment. As far as possible, cases exemplifying the different diseases will be presented to the class, and special attention will be given to afford the student as much practice as possible in Physical Diagnosis.

DR. A. W. KNOX brings to this department much experience, gained in the best hospitals of the country and in his regular practice. A valuable feature is the clinical instruction in connection with the Leonard Medical School Hospital, where important operations in general surgery and gynæcology are performed in the presence of the students.



DR. R. H. LEWIS is a specialist, giving attention to the eye, ear, throat and nose. He will supplement his course with clinical instruction at the Leonard Medical School Hospital, students thus having the opportunity of becoming acquainted with the various instruments employed in the examination of the eye and ear and the operations thereon, and with disease of these organs and their treatment. And by reason of his having specially qualified himself for the teaching of Hygiene and Sanitation, to assume the office of Secretary of the North Carolina State Board of Health, he has been selected to deliver a course of lectures upon the subject.

DR. K. P. BATTLE, late of the United States Marine Hospital Service, is eminently qualified for his position as instructor in Physiology, also as clinical professor of diseases of the eye, ear, nose and throat, by reason of having recently pursued an extended course in the Royal London Ophthalmic Hospital and the London Hospital for Diseases of the Throat and Nose. His course will be illustrated by various physiological demonstrations, including vivisection.

The professors in Anatomy and Chemistry are teachers of eminent ability.

#### BUILDINGS.

Through the liberal donations of numerous friends of the Institution, and especially of Judson Wade Leonard, of Hampden, Mass., and other members of the family, after whom this department is named, the President and Trustees have been able to meet a long-felt want of the colored people and to establish this new department of the University.

There have been erected two large brick buildings for the special accommodation of the Medical School. One of these, the Leonard Medical Building, is an imposing structure of beautiful proportions, which adorns the site





LEONARD MEDICAL BUILDING



CHAPEL AND DINING-HALL



donated by the North Carolina Legislature. This building contains the lecture rooms, amphitheater, laboratory, dissecting rooms, etc., and has been fitted up at great expense. It is intended that this shall afford every facility to the student for prosecuting his studies.

The other building, the Medical Dormitory, contains rooms to accommodate sixty students. This will afford the young men a pleasant home. All students whose homes are not in Raleigh or vicinity, will room and board at the University.

#### APPARATUS.

Valuable and extensive additions have been made to our list of apparatus. The Chemical Laboratory has been supplied with apparatus and re-agents for the special study of Medical Chemistry. A complete set of electrical apparatus has been furnished, thus giving an opportunity of demonstrating the application of electricity in diseases. Apparatus for teaching the principles of Natural Philosophy, which it is desirable that the physician should be familiar with, namely: heat, light, sound, etc., has been applied, and instruction will be given on these subjects.

In the Department of Anatomy and Physiology, many additions have been made. The school has now almost the complete set of Auzoux and Bock Steger Anatomical models, which have been imported from Paris especially for our use.

Accessories for the microscope have been obtained, so that the study of Histology and Microscopical Pathology can be pursued.

Models for the study of Obstetrics have been secured, and further additions in the way of models and instruments will be made from time to time.

The school has received a fine microscope and a fine magic lantern, which will be of great service in illustrating minute anatomy.

**FREE HOSPITAL AND FREE DISPENSARY.**

A hospital building, containing four wards, has been in use for several years, affording the students valuable clinical instruction. In the future patients, unable to pay hospital charges, will be admitted free.

The Faculty intend to make clinical instruction a prominent feature in the course of study, giving the student an opportunity of studying disease at the bedside of the patient and of watching the effects of treatment. It is believed that the surgical service will be especially valuable and complete.

A dispensary has just been completed and will be put into full operation at the opening of the next session. Through the kindness of friends money has been obtained with which to purchase drugs and furnish two rooms, one in which to receive patients and the other in which to make the necessary examination. At a certain hour each day one or more members of the Medical Faculty will be present to examine patients and prescribe medicine. There will be no charge, either for medical attendance or medicine.

**TERMS OF ADMISSION.**

Young men intending to apply for admission to this school must be at least eighteen years of age, and will be required to pass a preliminary examination sufficient to show their fitness to enter upon the study of medicine, unless they can furnish a certificate to their previous standing in school from some principal or president of a reputable institution of learning.

**COURSE OF STUDY.**

Appreciating as we do the need of the colored physicians being thoroughly qualified for their peculiar work among

their people, it will be the aim of the Faculty and Trustees of this Institution to graduate none but those showing themselves possessed of such knowledge as will fully equip them for successful professional life. Believing that a graded course of study will be the one best adapted to give students the requisite knowledge, it has been deemed best that a course of study of four years' duration should be established. If, however, a student, at the end of three years, is able to pass an examination in all the branches of medicine, he will be allowed to graduate and receive his diploma, but with the average student a full four years' course will be necessary to attain to the high standard established by the Leonard Medical School.

Dr. W. W. Keen, of Philadelphia, one of our Trustees, an eminent physician and firm friend of the school, says, in the *Medical News* in regard to the wisdom of this study: "They [the Faculty] have wisely decided, in view of the limited early education of the colored people, the medical course shall be four years, both to give a thorough graded course and the opportunity to study Latin and other branches of the Academic Department. If the colored man is to enter medicine, he must expect just what the white man does—a fair fight and no favors. If inferior in education and skill, he will go to the bottom; if superior, he ought to go to the top."

It is an especial aim to be thorough, and no student will receive a degree unless he can pass a satisfactory examination in all the branches pursued in the *four years'* course. The students will be divided into four classes, and will be classified according to their previous study and medical knowledge, as ascertained by examination.



## ORDER OF INSTRUCTION.

## FIRST YEAR.

Anatomy, Physiology, Materia Medica, General Chemistry.

## SECOND YEAR.

Practical Anatomy, Medical Chemistry, Physiology, Pathological Anatomy, and Practice of Medicine.

## THIRD YEAR.

Therapeutics, Obstetrics, Medical Chemistry, Theory and Practice of Medicine and Surgery.

## FOURTH YEAR.

Ophthalmology, Otology, Laryngology, Dermatology, Syphilis, Diseases of the Nervous System, Diseases of Women, Diseases of Children, Operative Surgery, Forensic Medicine and Medical Chemistry.

## TEXT-BOOKS.

FIRST YEAR: Medical Dictionary, *Gould*, \$3.25; Anatomy, *Gray*, \$6.00; General Chemistry, *Avery*, \$1.50; Materia Medica, *Bartholow*, \$5.00; Physiology, *Yeo*, \$3.00.

SECOND YEAR: Practice of Medicine, *Osler*, \$5.50; Medical Chemistry, *Bartley*, \$3.00.

THIRD YEAR: Gynæcology, *Skene*, \$5.00; Obstetrics, *King*, \$2.50; Surgery, *Wyeth*, \$7.00.

FOURTH YEAR: Diseases of the Eye, *Swanzy*, \$3.00; Diseases of the Ear, *Pritchard*, \$1.50; Hygiene and Medical Jurisprudence, \$4.00.

SPECIAL SUBJECTS: Diseases of the Skin, *Duhring*; Diseases of the Throat, *Cohen*; Nervous Diseases, *Hammond*; Venereal Diseases, *Bumstead*; Pathogenic Bacteria, *McFarland*; Medical Diagnosis, *Hare*; On the Laryngoscope, *MacKenzie*.



## WORKS RECOMMENDED FOR REFERENCE.

*Anatomy*—Quain, Morris.

*Chemistry*—Roscoe & Schorlemmer, Woodman & Tidy, Wormley's Micro-Chemistry of Poison.

*Diseases of Children*—Smith; Meigs & Pepper.

*Diseases of the Eye*—Nettleship.

*Diseases of the Ear*—Roosa.

*Diseases of Women*—Madden.

*Medical Diagnosis*—Musser.

*Obstetrics*—Leishman, Playfair, Lusk, King's Manual.

*Principles and Practice of Medicine*—Tyson, Flint, Bartholow.

*Pathology*—Greene, Billroth's Surgical Pathology.

*Principles of Bacteriology*—Abbott.

*Surgery*—American Text-Book of Surgery, Senn's Principles of Surgery, Smith's Operative Surgery, DaCosta's Manual of Modern Surgery.

*Therapeutics*—H. C. Wood, The National Dispensatory.

## PRELIMINARY COURSE.

If a student fails to pass a satisfactory entrance examination he will be expected to spend a sufficient time in the preliminary studies to qualify himself for the regular course. This will include instruction in Latin, Botany, Physics, Zoology, Chemistry, Physiology, and the use of the microscope. These branches will enable the student to pursue with greater facility the Medical Science.

## EXAMINATIONS AND GRADUATION.

The following will be the order of the examination in the Graded Course: At the end of the first year, *Materia Medica*, General Chemistry, Anatomy and Physiology; at the end of the second, Anatomy, Physiology and Medical Chemistry; at the end of the third, Therapeutics, Ob-

stetrics, the Principles and Practice of Medicine and Surgery; at the end of the fourth year, a final examination of all the branches pursued during the course, occupying the last week of the term. The examinations will be written as well as oral, and will be marked on the scale of one hundred. A failure to receive eighty per cent in any branch will require that study to be repeated the next year, and the student to be re-examined in the same at the close of that year.

Every candidate for graduation must be at least twenty-one years of age, and furnish satisfactory evidence of good moral character. He shall have attended the four years' course or its equivalent. He shall be required to dissect the entire cadaver. He shall present to the Faculty, at such time before graduation as they may appoint, an original thesis upon some medical subject, the graduation fee to accompany the same. Satisfactory examination must be passed in all branches of medicine in the manner laid down in the first part of this section, and he must receive a general average of not less than eighty per cent in all branches.

If a candidate fails to pass, he may have a second trial, which shall be final; failing in this, his graduating fee shall be returned to him, and he may try again at the next annual examination, after having taken another course of lectures in the branches in which he is deficient.

#### GENERAL INFORMATION.

The next year will open Saturday, Sept. 30, 1899, and close Saturday, March 17, 1900. The dining room will open to students in all departments with supper Friday evening, September 29th, and will close to students in the departments of Law, Medicine and Pharmacy with supper Saturday evening, March 17th. Students must arrive not later than the opening day, matriculate, pay the advance

charges and get their rooms settled, so as to be in readiness for work on the following Monday morning, when the lectures will begin promptly at nine o'clock. In case some students cannot arrive on Saturday, the opening day, or before, they will, upon previous arrangement having been made with the President, be allowed to enter after the school year opens, but no student will be received later than two weeks after the opening, and no deduction will be made for board or any other charges on account of entering after the opening of the term. The medical year, although it has been lengthened, is still so short that the best of work will have to be done from the beginning to the close of the session, in order that the standard required for graduation may be reached. Let no young man think, as many have seemed to intimate in their applications, that they can support themselves by manual labor or other kind of work and successfully pursue their studies at the same time. Students who enter the Leonard Medical School must be prepared to devote their whole time to study, except what is needed for the rest and recreation necessary to keep themselves in the best physical and mental condition possible.

All students are required to live and board at the institution, unless their homes are in the city of Raleigh or immediate vicinity. The welfare of the students demands that no exception be made to this rule.

All charges are payable strictly in advance, as stated under "School Months and Pay Days."

Students who remain during vacation, or after commencement, will be subject to the general rules and regulations that are in force during term time.

Students of the Leonard Medical School are under the general rules and regulations of the University, which will be modified from time to time as the peculiar needs and duties of medical students may require.

## FINANCIAL CONDITION.

The important work of founding the Leonard Medical School in connection with Shaw University, has been steadily going forward since 1880, and the success which has attended the effort calls for devout thanksgiving to the bestower of all good; and yet continued effort must be put forth in order to meet the increasing wants of this department of instruction. Twenty additional scholarships of \$60 each are needed for the ensuing year.

The President of the Institution takes pleasure in announcing to the Northern friends who have rendered such valuable assistance in the past, that the future of the Medical School is full of hope. We established at the beginning a four years' course to insure the necessary training and guard against graduating men imperfectly educated in the different branches of medicine. While a two or three years' course would doubtless at first have secured a large attendance, yet in the end a four years' course will insure thoroughness that will give confidence and confer lasting benefits.

The wisdom of establishing this four years' course is already apparent for it is appreciated by the students to such an extent that the total enrollment of the school is in excess of the enrollment of any preceding year.

## EXPENSES.

Matriculation fee . . . . .	\$ 5 00
Incidentals . . . . .	10 00
Six months' course of lectures . . . . .	60 00
Graduating fee . . . . .	10 00
Board, room-rent, fuel, lights, and service of janitor, per month (four weeks) . . . . .	8 00

No hospital fees are required and no charge is made for dissecting material.

All persons who wish to apply for admission to the Leonard Medical School, or for scholarships, must write for blanks upon which to make their application.

**Scholarships will be granted at the close of the session and at no other time, and only to young men of high moral character, correct deportment and good standing in their respective classes, provided they have paid all college charges promptly on the settling days specified in the catalog.**

#### SCHOOL MONTHS AND PAY DAYS.

*Session Opens Saturday, September 30th.*

September 30, pay day for school month, October 1 to October 29, four weeks: Amount due, matriculation and incidental fees, \$15; board, room-rent, etc., \$8; total 23.

October 28, pay day for school month, October 29 to November 26, four weeks, \$8.

November 25, pay day for school month, November 26 to December 24, four weeks, \$8.

December 23, pay day for school month, December 24 to January 21, four weeks, \$8.

January 20, pay day for school month, January 21 to February 18, four weeks, \$8.

February 17, pay day for school month, February 18 to March 17, four weeks: Amount due, \$8; also graduation fee of \$10.

*Commencement, Thursday, March 15th.*

The session in the professional departments of Shaw University is continuous from October 1 to March 17, with the exception of regular and special holidays.

#### PRIZES.

The McKee Prize will be awarded to that member of the graduating class who shall excel in Obstetrics. This prize has been permanently established by Dr. James McKee, Dean of the Faculty.



The Knox Prize, the gift of Dr. Knox, will be awarded to that member of the graduating class who shall excel in Surgery.

The Battle Prize, the gift of Dr. K. P. Battle, will be awarded to that student who shall excel in Physiology.

The Goodwin Prize will be awarded to that member of the graduating class who shall excel in Anatomy.

The Chemistry Prize will be awarded to the student of first year who shows the greatest improvement in General Chemistry.

The Lewis Prize will be awarded to the student who shall excel in the branches taught by Dr. R. H. Lewis.

The students desiring to enter upon the study of medicine will do well to enter the preliminary course, if they are not sufficiently advanced to begin the studies of the regular course.

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The McKee Prize, for excellence in Obstetrics, awarded to E. T. Connor, Prospectdale, Va.

The Knox Prize, for excellence in Surgery, awarded to G. W. Cardwell, Reidsville, N. C.

The Goodwin Prize, for excellence in Anatomy, awarded to G. W. Cardwell, Reidsville, N. C.

The K. P. Battle Competitive Prize, for excellence in Physiology, awarded to E. T. Connor, Prospectdale, Va.

The Lewis prize, for excellence in Diseases of the Eye, Ear and Throat, awarded to G. W. Cardwell, Reidsville, N. C.

The Chemistry Competitive Prize, for excellency in Chemistry, awarded to R. A. Taylor, New York, N. Y.



## STUDENTS.

## FRESHMAN CLASS.

Allen, Jacob S.....	<i>Marshville, N. C.</i> Livingstone College.
Bourne, Ulysses G .....	<i>Baltimore, Md.</i> Institute, Philadelphia.
Brown, James A.....	<i>Stamford, Conn.</i> V. N. & C. Institute.
Craig, Thomas E.....	<i>Waxhaw, N. C.</i> Biddle University.
Crowder, William A.....	<i>Petersburg, Va.</i> Peabody High School.
Frierson, Taylor J.....	<i>Sumter, S. C.</i> Biddle University.
Green, Alphæus B.....	<i>Berkley, Va.</i> Wayland Seminary.
Higgins, William H.....	<i>Jersey City, N. J.</i> Livingstone College.
Hutchins, Benjamin F.....	<i>Portsmouth, Va.</i> Shaw University.
Jacox, Richard C.....	<i>Durant's Neck, N. C.</i> Elizabeth City Normal.
Johnson, James A.....	<i>Charleston, S. C.</i> Simonton Graded School.
Lomax, Eugene W.....	<i>Buckingham, Va.</i> V. N. & C. Institute.
Martin, Thaddeus P.....	<i>Charleston, S. C.</i> St. Augustine's.
Pierre, Alexander A.....	<i>New York, N. Y.</i> Queen's College, Georgetown, B. G., S. A.
Renn, Ellic W.....	<i>Maynard, Texas.</i> Bishop College.
Sawyer, James T.....	<i>Norfolk, Va.</i> Norfolk Mission College.
Scott, William W.....	<i>Germantown, Pa.</i> Hampton Institute.
Simpson, Frank S.....	<i>Opelika, Ala.</i> Selma University.
Smith, Leon W.....	<i>Pett, N. C.</i> Shaw University.
Taylor, Richard A.....	<i>New York, N. Y.</i> Wesleyan School, St. Kitts, W. I.
Thompson, James P.....	<i>Elberton, Ga.</i> Payne Institute.

Walker, John W.....	<i>Asheville, N. C.</i> Livingstone College.
White, James M.....	<i>Concord, N. C.</i> Livingstone College.
Whittaker, Robert L.....	<i>Warm Sulphur Springs, Va.</i> Hampton Institute.
Williams, Oscar A.....	<i>Raleigh, N. C.</i> Lincoln University.
Wilson, Allen B.....	<i>Portsmouth, Va.</i> Public Schools.

## SOPHOMORE CLASS.

Alston, John D.....	<i>Tuskegee, Ala.</i> Howard University.
Ballenger, Oscar.....	<i>Spartanburg, S. C.</i> Atlanta Baptist Seminary.
Baskerville, John W.....	<i>Brooklyn, N. Y.</i>
Brown, Clarence S.....	<i>Salisbury, N. C.</i> Waters Normal Institute.
Calloway, Peyton H.....	<i>Mt. Hope, W. Va.</i> Storer College.
Cheshire, John S.....	<i>Salisbury, N. C.</i> Livingstone College.
Darden, John W.....	<i>Wilson, N. C.</i> Livingstone College.
Drake, Wilbur A.....	<i>Montgomery, Ala.</i> Hampton Institute.
Garland, Cornelius N.....	<i>Birmingham, Ala.</i> Livingstone College.
Hargrave, Frank S.....	<i>Lexington, N. C.</i> Shaw University.
Jones, Joseph J.....	<i>New York, N. Y.</i> Shaw University.
Keesee, Robert P.....	<i>Almagro, Va.</i> Howard University.
Kenney, John A.....	<i>Charlottesville, Va.</i> Hampton Institute.
Lawrence, William C.....	<i>Cedar Bluff, Ala.</i> Atlanta Baptist Seminary.
McLeod, Edward J.....	<i>Anderson, S. C.</i> Biddle University.
Newsome, Hunter E.....	<i>Winton, N. C.</i> Waters Normal Institute.
Robinson, Edward W. C.....	<i>Cameron, S. C.</i> Claflin University.

Scott, Philip A.....	<i>Norfolk, Va.</i> Norfolk Mission College.
Sharp, William B.....	<i>Harrellsville, N. C.</i> Plymouth State Normal.
Shepard, Charles H.....	<i>Charlotte, N. C.</i> Shiloh Institute.
Simmons, Benjamin A .....	<i>Orangeburg, S. C.</i> Schofield Normal School.
Suggs, James T.....	<i>Wilson, N. C.</i> Lincoln University.
Tatum, Huston H.....	<i>New Brighton, S. I., N. Y.</i> Shaw University.
Watkins, James W.....	<i>Winston, N. C.</i> Biddle University.
Williams, Peter H.....	<i>Raleigh, N. C.</i> St. Augustine's.
Williamson, Charles H.....	<i>Media, Penn.</i> Wayland Seminary.
Wilder, Charles E.....	<i>Richmond, Va.</i> Howard University.

## JUNIOR CLASS.

Benton, W. H. ....	<i>Wilmington, N. C.</i> Gregory Institute.
Boulware, W. B.....	<i>Flint Hill, S. C.</i> Allen University.
Branch, C. T.....	<i>Farmville, Va.</i> V. N. and C. Institute.
Clay, S. F.....	<i>Louisburgh, W. Va.</i> Louisburgh, Va.
Cottrell, W. J.....	<i>Philadelphia, Pa.</i> Hampton Institute.
Dickerson, Eugene .....	<i>Charlottesville, Va.</i> V. N. and C. Institute.
Edwards, Nathaniel L.....	<i>Raleigh, N. C.</i> Howard University.
Frazier, A. W.....	<i>Staunton, Va.</i> Staunton Public School.
Hill, D. C.....	<i>Septs, S. C.</i> Benedict College.
Hines, C. H.....	<i>Smithfield, N. C.</i> Fayetteville Normal School.
Howe, C. M.....	<i>Brooklyn, N. Y.</i> St. Augustine's.
Johnson, W. W.....	<i>Staunton, Va.</i> Virginia Seminary.

Loverette, Geo. E.....	<i>Richmond, Va.</i>
	Hampton Institute
Mills, J. E.....	<i>Norfolk, Va.</i>
	Shaw University
Peterson, G. W.....	<i>Vernon, S. C.</i>
	Allen University.
Quarles, J. J.....	<i>Bell's Cross Roads, Va.</i>
	V. N. and C. Institute
Reid, W. E.....	<i>Gatesville, N. C.</i>
	Hampton Institute.
Shellcroft, J. W.....	<i>New York, N. Y.</i>
	Antigua, B. W. I.
Strother, W. C.....	<i>Timmons ville, S. C.</i>
	Chafin University.
Williams, A. M.....	<i>Union Springs, N. C.</i>
	Selma University.
Williams, J. P.....	<i>Anderson, S. C.</i>
	Atlanta University

## SENIOR CLASS.

Cardwell, G. W.....	<i>Reidsville, N. C.</i>
	Bennett College.
Connor, E. T.....	<i>Prospectdale, Va.</i>
	V. N. and C. Institute.
Henderson, W. L.....	<i>Worcester, Mass.</i>
	Public School, Woodville, Va.
Moore, J. H.....	<i>Plummersville, Ark.</i>
	Little Rock Baptist College.

## GRADUATES.

## Class of '86.

Name.	Present Place of Residence and Practice.
Abbott, M. S. G.....	<i>Pensacola, Fla.</i>
Bugg, James H.....	<i>Savannah, Ga.</i>
Pope, M. T.....	<i>Charlotte, N. C.</i>
Prince, A. T.....	<i>Beaufort, S. C.</i>
Scruggs, L. A.....	<i>Raleigh, N. C.</i>
Williams, J. T.....	<i>Charlotte, N. C.</i>

## Class of '88.

Hill, S. B.....	<i>Lynchburg, Va.</i>
Lane, C. H.....	<i>Raymond City, W. Va.</i>
Moore, A. M.....	<i>Durham, N. C.</i>
*Robinson, D. A.....	<i>Danville, Va.</i>
Reynolds, R. A.....	<i>Danville, Va.</i>

## Class of '89.

Bryant, Reuben H.....	<i>Asheville, N. C.</i>
Burwell, L. L.....	<i>Selma, Ala.</i>
Hall, H. H.....	<i>Winston, N. C.</i>
*Lloyd, T. P.....	<i>Ocala, Fla.</i>
Mask, Thomas R.....	<i>Wilmington, N. C.</i>
Rolerfort, G. W.....	<i>Newark, N. J.</i>
Williams, W. A.....	<i>Greenville, S. C.</i>

## Class of '90.

Alston, M. W.....	<i>Asheville, N. C.</i>
Caldwell, D. E.....	<i>Osceola, Ark.</i>
Clinton, W. D.....	<i>Pittsburg, Pa.</i>
Kennedy, N. J.....	<i>San Carlos, New Mexico.</i>
Melchor, P. N.....	<i>Fayetteville, N. C.</i>
Taylor, G. D.....	<i>Savannah, Ga.</i>

## Class of '91.

Alexander, Charles R.....	<i>Petersburg, Va.</i>
Bowens, G. Jarvis.....	<i>Norfolk, Va.</i>
Houser, N. B.....	<i>Charlotte, N. C.</i>
Kearney, W. S.....	<i>Huntington, W. Va.</i>
Jones, J. W.....	<i>Winston, N. C.</i>
*Spaulding, H. D.....	<i>Savannah, Ga.</i>

\*Deceased

## Class of '92.

Name.	Present Place of Residence and Practice.
Dellinger, J. E.....	<i>Greensboro, N. C.</i>
Earle, Lawrence A .....	<i>Anderson, S. C.</i>
Hooper, W. D .....	<i>Chester, S. C.</i>
Rhodes, W. C .....	<i>Spartanburg, S. C.</i>
Shuften, John T .....	<i>Macon, Ga.</i>
Smalls, Wm. C.....	<i>Savannah, Ga.</i>
Swan, C. S.....	<i>Columbus, Ga.</i>
Walton, C. L.....	<i>Columbia, S. C.</i>

## Class of '93.

Alston, J. Henry .....	<i>Summerville, S. C.</i>
Burrell, Isaac D .....	<i>Roanoke, Va.</i>
Bryan, Thaddeus H .....	<i>Ronceverte, W. Va.</i>
Exum, Lewis W.....	<i>Raymond City, W. Va.</i>
Farrar, A. W. Gray .....	<i>Richmond, Va.</i>
Foster, Roland H .....	<i>Kelton, S. C.</i>
Harry, George W .....	<i>Chester, S. C.</i>
Jefferson, E. Richard.....	<i>Richmond, Va.</i>
Winslow, Albert L.....	<i>Danville, Va.</i>
Wright, S. Pearson .....	<i>Salisbury, N. C.</i>

## Class of '94.

Alston, J. H .....	<i>Wilmington, N. C.</i>
*Allison, F. T .....	<i>Harper, Liberia, Africa.</i>
Bryan, J. W .....	<i>Asheville, N. C.</i>
Faulkner, H. C.....	<i>Chicago, Ill.</i>
Pannill, H. C.....	<i>Staunton, Va.</i>
Pritchett, W. T .....	<i>Augusta, Ga.</i>
Roberts, I. L.....	<i>Boston, Mass.</i>

## Class of '95.

Ashburn, James E.....	<i>Bower's Hill, Va.</i>
Blackman, W. C.....	<i>Savannah, Ga.</i>
Bowen, M. D .....	<i>Raleigh, N. C.</i>
Fuller, W. T.....	<i>Winston, N. C.</i>
Fort, James E .....	<i>Goldsboro, N. C.</i>
Haynes, C. S.....	<i>Athens, Ga.</i>
Macon, I. A .....	<i>Chester, S. C.</i>
Warren, S. L.....	<i>Durham, N. C.</i>

\* Deceased.



## Class of '96.

Name.	Present Place of Residence and Practice.
Atkins, W. E.....	<i>Hampton, Va.</i>
Epps, I. T.....	<i>Athens, Ga.</i>
Fayerman, Walter B....	<i>Atlantic City, N. J.</i>
Lloyd, J. M.....	<i>Washington, N. C.</i>
Love, P. E.....	<i>Savannah, Ga.</i>
Massy, J. S.....	<i>Monroe, N. C.</i>
Mapp, W. R.....	<i>Eastville, Va.</i>
*Shannon, S. W. K.....	<i>Goldsboro, N. C.</i>
Tompkins, J. H.....	<i>Cumberland, Md.</i>
Williams, G. W.....	<i>Charlotte, N. C.</i>

## Class of '97.

Campbell, D. N. E.....	<i>Montego Bay, Jamiaca.</i>
Gerran, G. A.....	<i>High Point, N. C.</i>
Hughes, Wm. H.....	<i>Washington, D. C.</i>
Hood, J. J.....	<i>Concord, N. C.</i>
McDougald, J. Q.....	<i>Philadelphia, Pa.</i>
McNorton, N. F.....	<i>Yorktown, Va.</i>
Wyche, A. A.....	<i>Charlotte, N. C.</i>

## Class of '98.

Ghee, Peter F.....	<i>Bagley's Mills, Va.</i>
Goodwin, J. H.....	<i>Weston, S. C.</i>
Graves, W. H.....	<i>Charlotte, N. C.</i>
Hodge, H. B.....	<i>Ocala, Fla.</i>
Howard, Samuel.....	<i>Free Union, Va.</i>
Lightner, J. A.....	<i>Raleigh, N. C.</i>
Mask, J. R.....	<i>Wilmington, N. C.</i>
McMillan, A. S.....	<i>Tarboro, N. C.</i>
Marshall, G. N.....	<i>Chestnut Knob, Va.</i>
Whitley, C. C.....	<i>Newbern, N. C.</i>

## Class of '99.

Cardwell, G. W.....	<i>Reidsville, N. C.</i>
Connor, E. T.....	<i>Prospectdale, Va.</i>
Moore, J. H.....	<i>Plummersville, Ark.</i>

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\*Deceased.



NINTH ANNUAL CATALOG

OF THE

OFFICERS AND STUDENTS

OF

Leonard School of Pharmacy,

SHAW UNIVERSITY,

For the Academic Year Ending March 18, 1899.



RALEIGH, N. C. :

Edwards & Broughton, Printers and Binders.

1899.

## FACULTY.



CHAS. F. MESERVE, A. M., PRESIDENT.

WM. SIMPSON,

Professor of Botany, Materia Medica, Pharmacy and Chemistry, also Instructor in  
Compounding Medicine and Laboratory Work.

J. M. PICKEL. Ph. D.,

Professor of Medical and General Chemistry.



MEDICAL DORMITORY



PHARMACY BUILDING





# PHARMACY.

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## COURSES OF STUDY.

### JUNIOR COURSE.

This course embraces a knowledge of the theory of Pharmacy, the sciences involved in the intelligent study and practice of the art, the laws governing the practice of Pharmacy, the Pharmacopœia of the United States, Pharmacopœial, Chemical and Scientific nomenclature, Latin and English Technical Terminology, official and unofficial drugs and preparations, the several systems of weights and measures, embracing also the metric system, specific gravity, specific volume, preparation and preservation of drugs, uses and effects of heat, fusion, calcination, sublimation, etc., solutions of solids, liquids and gases, generation of gases, diffusion, dialysis, extraction, percolation, repercolation, expression, filtration, other means of separation and purification, evaporation, distillation, crystalization, precipitating; washing, etc. Extemporaneous or Dispensing Pharmacy will be practically illustrated by work done by the students themselves, and for this purpose instruction will be given in preparing all official powders, mixtures, emulsions, decoctions, infusions, saturations, etc.

### MIDDLE COURSE.

The course of the Middle Class will be an advance course to the Junior Class, and will comprise the preparations of extracts, fluid extracts, abstracts, pills, spirits, oleats, scaled preparation of iron, troches, ointments, cerates, plasters, suppositories, etc. Instruction in practical training in dispensing will be an important feature in the Middle Class,

following as closely as possible the outline of work commenced in the Junior course. The prescription counter, its management and furnishing, the processes, apparatus and utensils employed in extemporaneous pharmacy, will be fully discussed and their uses illustrated, also incompatibility, with special reference to dispensing.

#### SENIOR COURSE.

The Senior course will commence with a review of the second year's course, after which the pharmacopœial preparations will be carefully considered, much time being devoted to the compounding of physicians' prescriptions and extemporaneous pharmacy generally, the assaying of drugs, as opium, cinchona, nux vomica, etc.; practice in the use of specific gravity apparatus, thermometers, alcholometers, etc.; extraction and preparation of Alkaloids and other proximate principles from drugs.

*Text-books.*—U. S. Pharmacopœia, Remington's Pharmacy, \$6.50; U. S. Dispensatory.

#### MATERIA MEDICA.

Detailed study of the substances used medicinally will be accompanied with authentic specimens, that students may become familiar with the appearance of the articles as they are met with in commerce. Notice will be taken of the habitat, commercial history, and official preparation in which the drug enters, also its therapeutical properties, etc. Special attention will be paid to the drilling of students in posology.

*Text-books.*—Bartholow's Materia Medica and Therapeutics, \$5.

## CHEMISTRY.

J. M. PICKEL, PH. D.

The lectures will aim to supply a key to the understanding of chemical principles and processes of importance to the pharmacist, as will be fully demonstrated by experiments selected, not for display, but to impress more forcibly than words can do the principles presented.

The general principles of Chemistry will be considered, and will furnish a systematic exposition of the most important elements and their inorganic compounds. It will also embrace the most important subjects of Theoretical Chemistry, and give a comprehensive exposition of Organic Chemistry, especially designed to meet the requirements of Pharmacists.

Students will have the opportunity of becoming proficient in the analysis of urine.

*Text-books.*—Avery's Complete Chemistry, \$2; Bartley's Medical Chemistry, \$2.75; Tyson's Practical Examination of Urine, \$1.50.

## ADMISSION.

Students applying for admission must be of good moral character, with a knowledge of the English branches and proficiency in Latin and the sciences. Students deficient in the above studies are recommended to spend a year in the Preliminary Medical course. Pharmacy is an important and responsible profession, and students will be compelled to pass rigid examinations to insure the public against incompetency.

A scholarship of ten dollars per session will be granted to needy and worthy students.

## EXPENSES.

Matriculation fee . . . . .	\$ 5 00
Incidentals . . . . .	2 00
Six months' course of lectures . . . . .	25 00
Graduating fee . . . . .	10 00
Board, room-rent, fuel, light and janitor's services, per month (four weeks) . . . . .	8 00

## SCHOOL MONTHS AND PAY DAYS.

*Session Opens Saturday, September 30th.*

September 30, pay day for school month, October 1, to October 29—four weeks. Amount due—matriculation and incidental fees, \$22; board, room-rent, etc., \$8—total \$30.

October 28, pay day for school month, October 29 to November 26—four weeks, \$8.

November 25, pay day for school month, November 26 to December 24—four weeks, \$8.

December 23, pay day for school month, December 24 to January 21—four weeks, \$8.

January 20, pay day for school month, January 21 to February 18—four weeks, \$8.

February 17, pay day for school month, February 18 to March 17—four weeks. Amount due \$8, also graduation fee of \$10.

All charges must be paid in advance—matriculation fee and incidentals, as stated above—at the beginning of the academic year or time of entrance; all other charges every four weeks in advance.

Consult "General Information" on page sixteen of this catalog.



## STUDENTS.

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### FRESHMAN CLASS.

Love, John H .....	<i>Raleigh, N. C.</i> V. N. & C. Institute.
Moye, Edgar E .....	<i>Newberne, N. C.</i> Newberne High School.
Tatum, Houston .....	<i>New Brighton, S. I., N. Y.</i> Shaw University.

### JUNIOR CLASS.

Jenkins, Virtis H .....	<i>Montgomery, Ala.</i> State Normal, Montgomery.
Jones, William A .....	<i>Elams, N. C.</i> Shaw University.
Thomas, William E .....	<i>Columbia, S. C.</i> Howard Graded School, Columbia.
Williams, Henry .....	<i>Easley, S. C.</i> Shaw University.

### SENIOR CLASS.

Briggs, Peter M .....	<i>Manchester, Va.</i> Manchester High School.
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## GRADUATES.

## Class of '93.

Geo. P. Hart *Jacksonville, Fla.*

## Class of '94.

J. L. F. Alston.....*Louisburg, N. C.*  
 C. F. Crews.....*Winston, N. C.*  
 J. L. Eagles.....*Wilmington, N. C.*  
 R. C. McNorton.....*Christiansburg, Va.*  
 H. H. Perry.....*Wake Forest, N. C.*  
 J. E. Shepherd.....*Raleigh, N. C.*

## Class of '95.

J. M. Benson.....*Richmond, Va.*  
 J. A. Dodson.....*Durham, N. C.*  
 P. H. Hilton.....*Farmville, Va.*  
 E. W. Newton.....*Goldshoro, N. C.*  
 T. C. White.....*Charlotte, N. C.*

## Class of '96.

Eugene J. Bass.....*Portsmouth, Va.*  
 Harry Epps.....*Townesville, N. C.*

## Class of '97.

E. T. Hasty.....*Monroe, N. C.*  
 John H. Harris.....*Concord, N. C.*  
 E. C. Merchant.....*Louisville, Ky.*  
 C. W. Morris.....*Lynchburg, Va.*  
 W. L. McNair.....*Raleigh, N. C.*  
 J. W. Satterwhite.....*Newberry, S. C.*  
 W. H. Vick.....*Charlotte, N. C.*  
 Pearle R. Wassom.....*Knoxville, Tenn.*

## Class of '98.

J. H. McCullough.....*Lancaster, S. C.*



